

AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

IN THE CLAIMS:

Please amend the claims as follows:

1. (Original) A biopolymer detecting method in which target biopolymers are detected by capturing the target biopolymers on the substrate side, and that is characterized by a process in which target biopolymers labeled with a fluorescent material and beads, onto the surface of which probe biopolymers and beads-ID recognizing address linkers are fixed, are put in a solution to hybridize the target biopolymers and the probe biopolymers, then said address linkers are captured by antigen-antibody reaction using the addressing probe protein which is in such relation to said address linkers as either one is an antigen and the other is the corresponding antibody.

2. (Original) A biopolymer detecting method in accordance with claim 1, wherein said address linkers consist of a type of antigen or a type of antibody for address judgment to recognize said beads-ID.

3. (Currently Amended) A biopolymer detecting method in accordance with claim 1 ~~or claim 2~~, wherein said target biopolymers and said beads are put in a reservoir together with a buffer solution and are stirred using a physical, electrical or chemical means.

4. (Currently Amended) A biopolymer detecting method in accordance with ~~any of claims 1 to 3~~ claim 1, wherein magnetic beads or beads made of metal or plastics are employed as said beads.

5. (Currently Amended) A biopolymer detecting method in accordance with ~~any of claims 1 to 4~~ claim 1, wherein said target biopolymers are RNAs which are transcription products from DNAs, or cDNAs, or proteins.

6. (Original) A biochip composed of addressing probe protein fixed onto a substrate, the protein being capable of capturing address linkers for ID recognition fixed onto the surface of beads using antigen-antibody reaction, together with probe biopolymers to be bonded to target biopolymers using the hybridization method.